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DATE MAILED: 12/15/2006

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/751,166	01/03/2004	Dean Kamen	LD-002	1538
2101 7.	590 12/15/2006		EXAMINER	
BROMBERG & SUNSTEIN LLP 125 SUMMER STREET			ARYANPOUR, MITRA	
BOSTON, MA 02110-1618			ART UNIT	PAPER NUMBER
			3711	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
Office Action Summary		10/751,166	KAMEN, DEAN				
		Examiner	Art Unit				
		Mitra Aryanpour	3711				
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE of time may be available under the provisions of 37 CFR 1.15 SIX (6) MONTHS from the mailing date of this communication. Period for reply is specified above, the maximum statutory period ver to reply within the set or extended period for reply will, by statute eply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNI 36(a). In no event, however, may a will apply and will expire SIX (6) MON , cause the application to become Al	CATION. reply be timely filed NTHS from the mailing date of this commu BANDONED (35 U.S.C. § 133).				
Status		•	•				
1)	Responsive to communication(s) filed on <u>26 S</u>	eptember 2006.					
'	This action is FINAL . 2b) This action is non-final.						
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Dispositi	on of Claims						
4)⊠	4)⊠ Claim(s) <u>12-15</u> is/are pending in the application.						
•	4a) Of the above claim(s) is/are withdrawn from consideration.						
5)□	5) Claim(s) is/are allowed.						
6)⊠	☑ Claim(s) <u>12-15</u> is/are rejected.						
· —	Claim(s) is/are objected to.						
8)[Claim(s) are subject to restriction and/o	r election requirement.					
Applicati	on Papers						
9)	The specification is objected to by the Examine	er.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
	Applicant may not request that any objection to the	drawing(s) be held in abeya	nce. See 37 CFR 1.85(a).				
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority u	ınder 35 U.S.C. § 119		·				
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
	1. Certified copies of the priority documents have been received.						
	2. Certified copies of the priority documents have been received in Application No						
	3. Copies of the certified copies of the priority documents have been received in this National Stage						
	application from the International Bureau	, , , ,					
* See the attached detailed Office action for a list of the certified copies not received.							
A441	Was.						
Attachment 1) Notic	t(s) e of References Cited (PTO-892)	4) 🗖 Intervious	Summary (PTO-413)				
2) Notic	e of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date				
	nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	5) Notice of I 6) Other:	nformal Patent Application				

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DETAILED ACTION

Claim Rejections - 35 USC § 101

1. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

2. Claims 12-15 are rejected under 35 U.S.C. 101 because

Despite the express language of §101, several judicially created exceptions have been established to exclude certain subject matter as being patentable subject matter covered by §101. These exceptions include "laws of nature," "natural phenomena," and "abstract ideas." See Diamond v. Diehr, 450, U.S. 175, 185, 209 USPQ (BNA) 1, 7 (1981). However, courts have found that even if an invention incorporates abstract ideas, such as mathematical algorithms, the invention may nevertheless be statutory subject matter if the invention as a whole produces a "useful, concrete and tangible result." See State Street Bank & Trust Co. v. Signature Financial Group. Inc. 149 F.3d 1368, 1973, 47 USPQ2d (BNA) 1596 (Fed. Cir. 1998). The Manual of Patent Examining Procedure reiterates this point. More specifically, MPEP 2106(II)(A) states, "The claimed invention as a whole must accomplish a practical application. That is, it must produce a 'useful, concrete and tangible result.' State Street, 149 F.3d at 1373, 47 USPQ2d at 1601-02." In this case, the claims merely recite a series of abstract ideas, which together form a mathematical algorithm per se. There is no practical application recited in the claims i.e. how would you evaluate cooperation, the robots are not used in a physical way and nothing is being made, the claim merely recites "providing a robot"; by performing the method there is no evidence of a concrete, tangible results and there is no physical transformation. Therefore, the claims are not eligible for patent protection.

Response to Arguments

Applicant's arguments filed 26 September 2006 have been fully considered but they are not persuasive. As indicated above the claimed invention as a whole must accomplish a practical application. Applicant merely recites a series of abstract ideas, which together form a mathematical algorithm per se. As indicated above there is no practical application recited in the claims i.e. how would you evaluate cooperation; the robots are not used in a physical way and nothing is being made, the claim merely recites "providing a robot"; by performing the method there is no evidence of a concrete, tangible results and there is no physical transformation. Therefore, the claims are not eligible for patent protection.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

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Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Mitra Aryanpour whose telephone number is 571-272-4405. The

examiner can normally be reached on Monday - Friday 10:00 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Gene Kim can be reached on 571-272-4463. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MA

07 December 2006

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